Department of Electrical Engineering

Engineering Management and Economics Assignment

Spring-2019-20, Dated 13-4-2020

Instr: Dr. Jehanzeb Khan Time= 5 Days NAME JUNAID UR REHMAN ID	11484	Marks 30
Q.1:		10
1. Engineering Management is:		
A. An art		
B. Both science and art		
C. A science		
D. Neither art nor science		
2. Engineers can become good managers only thro	ough	
A. Experience		
B. Taking master degree in management		
C. Effective career planning		
D. Trainings		
3. When engineer enters management, what is the difficult to acquire?	most likely problem	he finds
A. Learning to trust others		
B. Learning how to work through others		
C. Learning how to take satisfaction in the work o	f others	
D. All of the above		
4. Strategic planning is undertaken in which mana	gement level?	
A. Lower management level		
B. Middle management level		

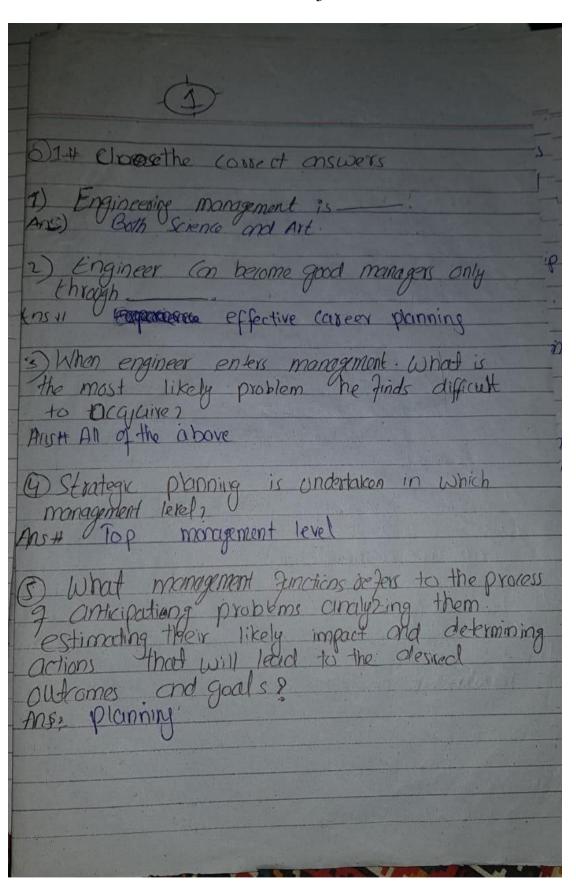
C. Top management level

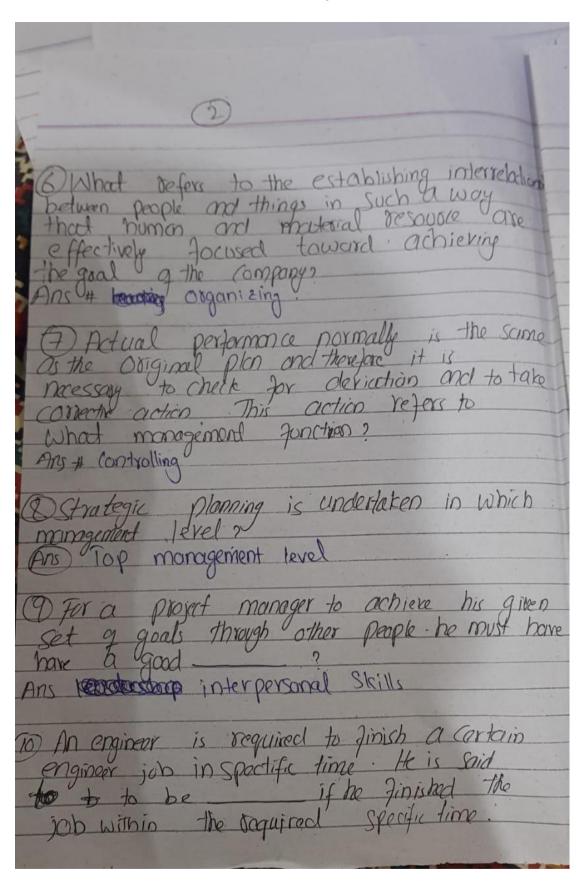
D.	Lowest	management	leve	1
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5. What management functions refers to the process of anticipating problems, analyzing them, estimating their likely impact and determining actions that will lead to the desired outcomes and goals?
A. Planning
B. Leading
C. Controlling
D. Organizing
6. What refers to the establishing interrelationships between people and things in such a way that human and materials resources are effectively focused toward achieving the goal of the company?
A. Planning
B. Leading
C. Controlling
D. Organizing
7. Actual performance normally is the same as the original plan and therefore it is necessary to check for deviation and to take corrective action. This action refers to what management function?
A. Organizing
B. Planning
C. Controlling
D. Staffing
8. Strategic planning is undertaken in which management level?
A. Lower management level
B. Middle management level
C. Top management level
D. Lowest management level
9. For a project manager to achieve his given set of goals through other people, he must have a good
A Interpersonal skills

B. Communication skills	
C. Leadership	
D. Decision- making skills	
10. An engineer is required to finish a certain engineering job in said to be if he finished the job within the required	_
A. Efficient	
B. Effective	
C. Reliable	
D. Qualified	
11. If an engineer provides less input (labor and materials) to hi come out with the same output, he is said to be more	1 0
A. Managerial skill	
B. Economical	
C. Effective	
D. Efficient	
Q.2 a) A Manager's job is complex and multidimensional ar skills. What are those skills, discuss in detail.	nd requires a range of 5 Marks
b) Briefly explain characteristics of authority.	5 Marks
Q.3: a) How does a project emerge? Describe its characteristic	cs. 5 Marks
b) An international Conference is planned in Iqra nation	•
activities listed down with their predecessors and time to network diagram and determine the critical path.	aken. Prepare a 5 Marks
5 5 barn.	2.1.1115

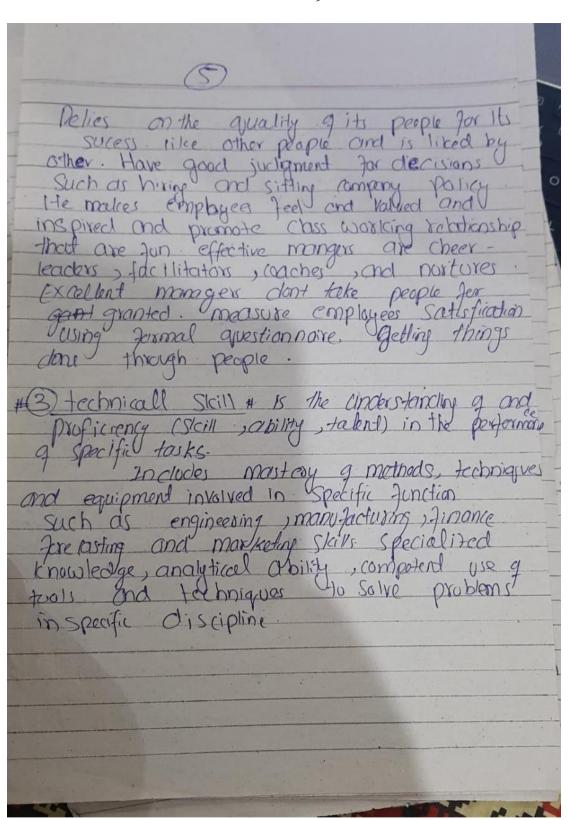
Activity	Precedence	Time
A Date, topics & Speaker	-	5 days
B Prepare logo & brochures	-	1 day
C Send letters to speakers	В	2 days
D Get confirmation from Speakers	C	5 days
E Send letters to participants	C,D	2 days
F Obtain travel plan from speakers	D	2 days
G Arrange Accommodation	F	1 day
H Get handouts from speakers	F	4 days
I Finalize Registration	G,H	10 days
J Setting of Hall	I	1 day
K Conduct of Program	J	1 day

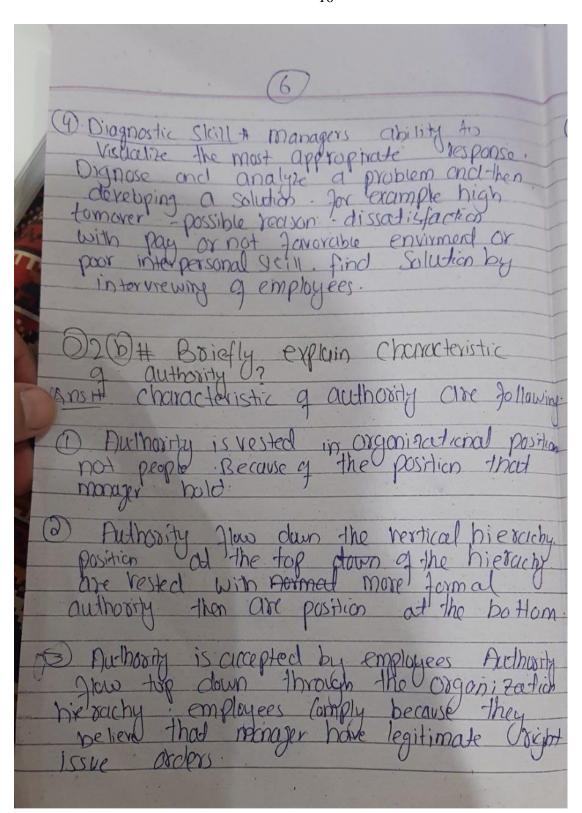


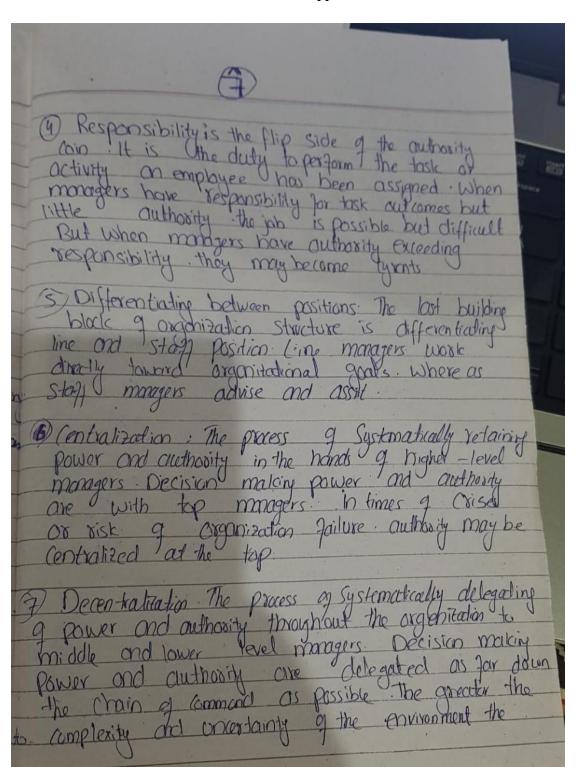


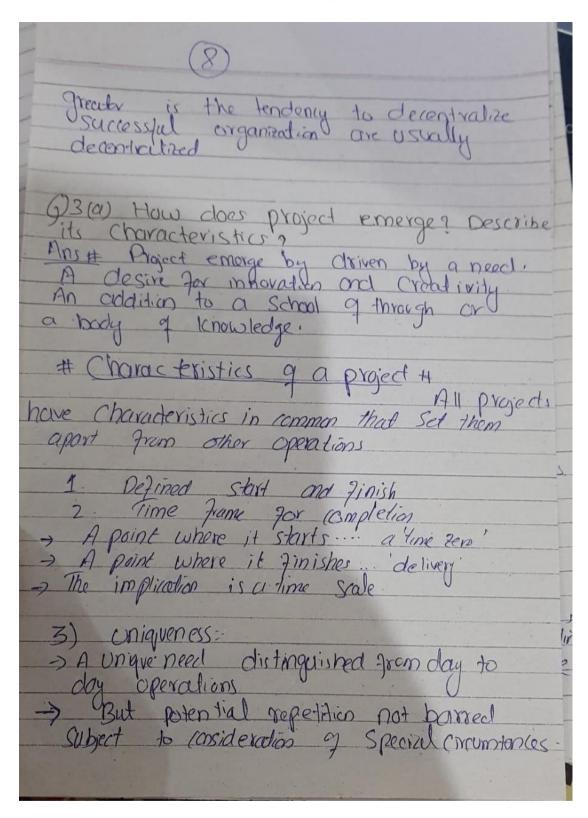
3	
Ans# Effective	
(labor and materials) to his project and still come on out with same output, he is said to be more? Anoth Efficient.	
D2+(a) A monager's job is pemplex and multidimensional and requires a scripe of Skills. What are those Skills indisseous in detail?	
An# The Clails (the following. (1) Conceptual skills. (2) Humman skill (3) Technical skill. (4) Diagnostic skill.	
the organization as a whole and the polation among like parts conceptual skill involves among the parager thinking, information processing the manager thinking, information processing where and planning chilities - knowing where one's department fit into the total organisation one's department fit into the total organisation.	ish

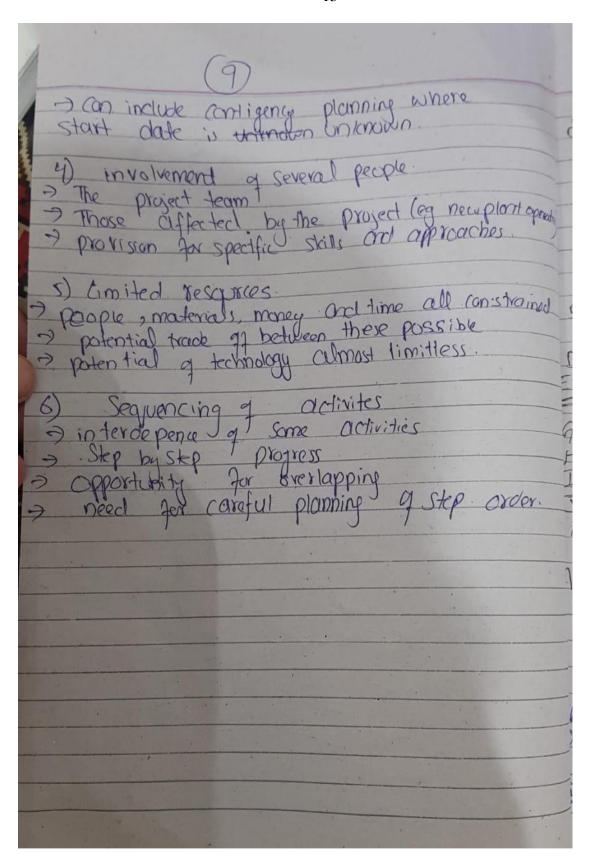
(9) and how the organization I it into the inclustry the community and the broader business and social O environal The ability to think Stockerically (broad long term view) monager at the top. For example microsoft, reflects the conceptual skill of its chairman, Bill gates General business goals are and communicated throughout Started the company , contributing to microsoft leardorship reputation and revenues hates billian dollar Spread his concept for microsoft delegating to a radre of strong moragers Scott or senior sen voci Voice - presentent for sales and marketing pointed out each port of the company has a life of its own now, but bill is the give I that holds together. DHuman Skill # is the ability to work with and through other and to work effectively as a group Member. to motivate, coodinate, lead, The ability communicate, and resolve an flicts allow subordinate to express themselves without ferry anciencourage participation











710)	
D3(b) # An international conference in agric notional possessing the actional properties of their predecessors of the prepare a network diagram of the path.	-
in ignut national conference	is planned
down with their ne all	thirty tisted
prepare a network disayon	nd time taken
The correct path.	XXI altermino
Actorists	
A Dark, topic & speaker Procedence	lime
Send letters to speakers B	5 days
[Send letters to speakers B	1 day
D UCT ATT CONDUNCTION THE CONTRACT C	5 dan
E sence letter to participents (,0 = Obtain trovel plan from speaker D	2 day
G Arronge Accommodations =	2 day
H Get handouts from speaker F	4 day
I Finalize Registration G, H	10 day
J Setting 9 Hall I	1 day
Is conduct of program 5	1 deg
Anst As 9,	
7 5 7 5	· . F
B1 > 0 > 0	Q K
C2 DT YO	70
Path #	
1) B3(> O > F7G7 I7J > K	()
	3
1 +2 +5+2 + 1+10 + 1+1=2	
2) Bad	

